

129	Folic acid	$1.12 \times 10^{-7} \text{ M}$ $1.02 \times 10^{-7} \text{ M}$ $1.01 \times 10^{-7} \text{ M}$ $6.62 \times 10^{-7} \text{ M}$
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**Example 130~135、 Testing for analgesic**

The formulation of drug for testing comprises 300 mg of malic acid, 300 mg of tartaric acid, 300 mg of citric acid, 50 mg of caffeine and 10 mg of catechin. Five volunteers of head-ache and physical pain are given one dose individual. To record the reaction after treatment, they all felt their pains are improved in 10~30 minutes.

**What is claimed is:**

1. A drug composition containing the effective components of edible acid and/ or acidic salt and any pharmaceutical acceptable compound to lower the humor pH and treating or alleviating immune diseases.
2. A drug composition according to claim 1 wherein said edible acid and/ or acidic

salt is a compound such as phosphoric acid, sodium dihydrogen phosphate, potassium dihydrogen phosphate, sodium hydrogen phosphate, potassium hydrogen phosphate.

3. A drug composition according to claim 1 wherein said edible acid and/ or acidic salt is a compound such as fumaric acid, succinic acid, malic acid, tartaric acid, citric acid, lactic acid,  $\alpha$ -hydroxy ethanic acid,  $\alpha$ -octanoic acid, gluconolactone, acetic acid, propanoic acid, ascorbic acid, sodium dihydrogen citrate, sodium hydrogen citrate, potassium dihydrogen citrate, potassium hydrogen citrate, sodium hydrogen succinate, potassium hydrogen succinate, sodium hydrogen tartrate, potassium hydrogen tartrate, sodium hydrogen malate, potassium hydrogen malate, sodium hydrogen fumarate, potassium hydrogen fumarate, and their compounds.

4. A drug composition according to claim 1 wherein said immune diseases is selected from the group comprising hypersensitivity, immunodeficiency, autoimmunity and tumor.

5. A drug composition according to claim 1 wherein said edible acid and/ or acidic salt concentration is 0.06~100(wt/wt) %, prefer is 0.1~100(wt/wt) %, better is 0.2~100(wt/wt) %, and the best is 0.3~100(wt/wt) %.

6. A drug composition according to claim 1 wherein said drug is selected from group comprising oral agent, non-oral agent, or topical usage.

7. A drug composition according to claim 1 wherein said drug is oral agent selected from the group comprising capsule, tablet, flake, granule, powder, pile, lozenges, syrup, beverages, solution, suspension liquid, and blending in food.

8. A drug composition according to claim 1 wherein said drug is oral agent compounding with food selected from the group comprising biscuits, cake, candy, chew gum, canned foods, diary product, peanut product, pudding, egg product, cooking dishes.

9. A drug composition according to claim 1 wherein said drug is oral agent compounding with food selected from the group comprising juice, wine, (such as fruit wine, whisky, brandy, sake, beer, and herb wine) soft drink, carbonated drink, none carbonated drink, tea, sports drink, functional drink, coffee, cola, sarsaparilla, diary product such as fermented milk, and herb drink.

10. A drug composition according to claim 9 wherein said drug is fermented milk product.

11. A drug composition according to claim 1 wherein said edible acid and/ or acidic salt is a fruit containing edible acid and/ or acidic salt more than 0.3(wt/wt)% selected from the group comprising acidic orange, lemon, plum, fruit orange, grape, apple, carambola, strawberry, and pineapple.

12. A drug composition according to claim 1 wherein said edible acid and/ or acidic salt is in a form of processed fruit selected from the group comprising acidic orange, lemon, plum, fruit orange, grape, apple, carambola, strawberry, and pineapple containing edible acid and/ or acidic salt more than 0.06(wt/wt)%, prefer more than 0.3(wt/wt)%.

13. A drug composition according to claim 1 wherein said drug is an oral agent, compounding with compounds selected from group comprising: binder agent, such as corn starch, glycine, polyethylene, pyrrolidone, Ca-CMC, CMC, gelatin, Arabic gum, and tragacanth gum; gelatin, acacia gum and tragacanth gum; densifier; such as propylene glycol alginate; softener such as D.B.P.; disperser such as calcium carbonate, polyethylene glycol, stearic alcohol, fluid paraffin; emulsifier such as Span-60; preservative, such as ethyl para-hydroxy benzoate; lubricating agent such as magnesium stearate, talc powder; enzyme, such as papain, bromelain and ficin; sweetener agent such as sugar, lactose, glucose, black sugar, syrup, honey, fructose, maltose, lactose, oligomer; perfume agent, such as peppermint, peppermint oil, essential oil, green oil, strawberry essential oil, ethyl iso-valerate, iso amyl butyrate, cocoextracte; pigment such as caramel; herb, such herb such as gambir, garlic, leek, chive, shallot, ramson, scallion, zinger, tang-kuei, licorice, astragali radix, armeniacae semen, fritillaria cirrhosae bulbous, atractylodis rhizoma, pinelliae tuber, angelica sinensis radix, hoelen, asini gelatinum, citri sinensis exocarpium, asparagi radix, rehmanniae radix et rhizoma, perillae fructus, perillae caulis, anemarrhenae rhizoma, albae sinapis semen, mori radices cortex, zingiberis siccata rhizoma, lily bulbous, sesame, ginseng, coffee or caffeine, tea, in powder or extracts; another nutrient, such as mineral, vitamin, dairy products, peanut product and their compounds.

14. A drug composition according to claim 1 wherein said drug is injection selected from the group comprising intradermal injection, muscles injection, venous injection, hypodermic injection, the joint lubricating liquid,

intestine and in tumor.

**15.** A drug composition according to claim 1 wherein said drug is inhalants.

**16.** A drug composition according to claim 1 wherein said drug is none oral agents such as liquid, paste, aero sol, spray and skin absorption; in which the solvent is selected from the group comprising water, alcohol.

**17.** A drug composition according to claim 1 wherein said drug is tincture for treating topical wounds.

**18.** A drug composition according to claim 1 wherein said drug is cold drug.

**19.** A drug composition according to claim 1 wherein said drug is drug treating insect bite.

**20.** A drug composition according to claim 1 wherein said drug contains another effective compound.

**21.** The use of a drug composition containing the effective components of edible acid and/ or acidic salt and any pharmaceutical acceptable compound to lower the humor pH value and treating or alleviating immune diseases.

**22.** The use of a drug composition according to claim 21 wherein said edible acid and/ or acidic salt is such as fumaric acid, succinic acid, malic acid, tartaric acid, citric acid, lactic acid,  $\alpha$ -hydroxy ethanic acid,  $\alpha$ -octanoic acid, gluconolactone, acetic acid, propanoic acid, ascorbic acid, sodium dihydrogen citrate, sodium hydrogen citrate, potassium dihydrogen citrate, potassium hydrogen citrate, sodium hydrogen succinate, potassium hydrogen succinate, sodium hydrogen tartrate, potassium hydrogen tartrate, sodium hydrogen malate, potassium hydrogen malate, sodium hydrogen fumarate, potassium hydrogen fumarate, and their compounds.

**23.** The use of a drug composition according to claim 21 wherein said edible acid and/ or acidic salt is such as phosphoric acid, sodium dihydrogen phosphate, potassium dihydrogen phosphate, sodium hydrogen phosphate, potassium hydrogen phosphate.

**24.** The use of a drug composition according to claim 22 wherein said edible acid and/ or acidic salt is acidic fruits, such as acidic orange, lemon, plum, fruit orange, grape, apple, carambola, strawberry, and pineapple.

**25.** The use of a drug composition containing the effective components of edible acid

and/ or acidic salt and any pharmaceutical acceptable compound to lower the humor pH value and to improve individual immunity is used in foods, drink, and health care products.

**26.** The use of a drug composition according to claim 25 wherein said edible acid and/ or acidic salt is a compound such as fumaric acid, succinic acid, malic acid, tartaric acid, citric acid, lactic acid,  $\alpha$ -hydroxy ethanic acid,  $\alpha$ -octanoic acid, gluconolactone, acetic acid, propanoic acid, ascorbic acid, sodium dihydrogen citrate, sodium hydrogen citrate, potassium dihydrogen citrate, potassium hydrogen citrate, sodium hydrogen succinate, potassium hydrogen succinate, sodium hydrogen tartrate, potassium hydrogen tartrate, sodium hydrogen malate, potassium hydrogen malate, sodium hydrogen fumarate, potassium hydrogen fumarate, and their compounds.

**27.** The use of a drug composition according to claim 25 wherein said edible acid and/ or acidic salt is a compound such as phosphoric acid, sodium dihydrogen phosphate, potassium dihydrogen phosphate, sodium hydrogen phosphate, potassium hydrogen phosphate.

**28.** The use of a drug composition according to claim 25 wherein said edible acid and/ or acidic salt is an acidic fruit selected from the group comprising acidic orange, lemon, plum, fruit orange, grape, apple, carambola, strawberry, and pineapple.

**29.** The use of a drug composition according to claim 25 wherein said foods is oral agent compounding with food selected from the group comprising cake, biscuits, candy, chew gum, canned foods, diary products, peanut products, pudding, egg products, cooking dishes.

**30.** The use of a drug composition according to claim 25 wherein said drink is selected from the group comprising juice; wine, such as fruit wine, whisky, brandy, sake, beer and herb wine; soft drink, carbonated drink, none carbonated drink, tea, sports drink, functional drink, coffee, cola, sarsaparilla, diary product such as fermented milk, and herb drink.

**31.** A method of preparing denature food comprises treating the said food with edible acid and/ or acidic salt solution.

**32.** The method according to claim 31 wherein said denature food is milk or milk powder.

33. A method of preparing lowering allergic food comprises treating the said food with edible acid and/ or acidic salt solution.
34. The method according to claim 33 wherein the said food is selected from the group comprising fish, shrimp, crab, milk, or powder milk.
35. The method according to claim 33 wherein the said edible acid and/ or acidic salt is a compound such as fumaric acid, succinic acid, malic acid, tartaric acid, citric acid, lactic acid,  $\alpha$ -hydroxy ethanic acid,  $\alpha$ -octanoic acid, gluconolactone, acetic acid, propanoic acid, ascorbic acid, sodium dihydrogen citrate, sodium hydrogen citrate, potassium dihydrogen citrate, potassium hydrogen citrate, sodium hydrogen succinate, potassium hydrogen succinate, sodium hydrogen tartar ate, potassium hydrogen tartar ate, sodium hydrogen malate, potassium hydrogen malate, sodium hydrogen fumarate, potassium hydrogen fumarate, and their compounds.
36. The method according to claim 33 wherein the said edible acid and/ or acidic salt is a compound such as phosphoric acid, sodium dihydrogen phosphate, potassium dihydrogen phosphate, sodium hydrogen phosphate, potassium hydrogen phosphate.
37. The method according to claim 33 wherein the concentration of said edible acid and/ or acidic salt is 0.06~10(wt/wt)% , prefer is 0.1~7(wt/wt) % , better is 0.2~4(wt/wt)% , best is 0.3~2(wt/wt)%.
38. The products of any claims as claimed 31 ~ 37.
39. A kind of food, drink or health care product, which contains edible acid and / or acidic salt, for lowering the humor pH value and improving individual immunity.
40. A kind of food, drink or health care product according to claim 39 wherein said edible acid and / or acidic salt is such as fumaric acid, succinic acid, malic acid, tartaric acid, citric acid, lactic acid,  $\alpha$ -hydroxy ethanic acid,  $\alpha$ -octanoic acid, gluconolactone, acetic acid, propanoic acid, ascorbic acid, sodium dihydrogen citrate, sodium hydrogen citrate, potassium dihydrogen citrate, potassium hydrogen citrate, sodium hydrogen succinate, potassium hydrogen succinate, sodium hydrogen tartrate, potassium hydrogen tartrate, sodium hydrogen malate, potassium hydrogen malate, sodium hydrogen fumarate, potassium hydrogen fumarate, and their compounds.
41. A kind of food, drink or health care product according to claim 39 wherein said edible acid and / or acidic salt is such as phosphoric acid, sodium dihydrogen phosphate, potassium

dihydrogen phosphate, sodium hydrogen phosphate, potassium hydrogen phosphate.

**42.** A kind of food, drink or health care product according to claim 39 wherein said edible acid and / or acidic salt concentration is 0.06~10 (wt/wt)% , prefer is 0.1~7(wt/wt)% , better is 0.2~4(wt/wt)% , and the best is 0.3~2(wt/wt)%.

**43.** A drug composition according to claim 1 wherein said drug is an anti-inflammatory drug.

**44.** A drug composition according to claim 1 wherein said drug is bath agent.

**45.** A drug composition according to claim 1 wherein said drug is an agent for treating head scale.

**46.** A drug composition according to claim 1 wherein said drug is an agent for treating goods contacting skin.

**47.** A drug composition according to claim 1 wherein said drug is an agent releasing drug from skin.

**48.** A drug composition according to claim 1 wherein said drug is an agent for treating thrombus.

**49.** A drug composition according to claim 1 wherein said drug is an agent for free radical scavenger.

**50.** A drug composition according to claim 1 wherein said drug is for spondyle animal, prefer is for mammal, and the best is for human.

**51.** A method for producing allergy free clothing that is treated with edible acid and/or acidic salt.

**52.** A method for allergy free clothing according to claim 51 the said clothing is groove or clothes.

**53.** Clothing such as groove or clothes is treated by method according claim 51.

**54.** A method that uses the effective components of edible acid and/or acidic salt to lower the humor pH and to treat or to alleviate immune disease.